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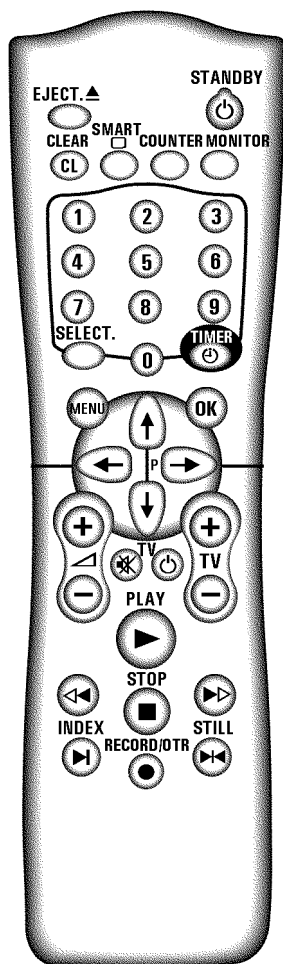
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## OPERATING INSTRUCTIONS IN BRIEF

### The remote control



- EJECT** **Eject**: To eject a cassette
- STANDBY** **Switch off**: To switch off set, interrupt menu function, interrupt a programmed recording (TIMER)
- CLEAR (CL)** **Delete**: To delete last entry/Clear programmed recording (TIMER)
- SMART** **SMART**: To adjust the picture setting during playback
- COUNTER** **Counter**: To select the display of the tape position
- MONITOR** **Monitor**: To switch between TV reception and VCR playback
- 0-9** **Number buttons**: 0 - 9
- SELECT.** **Select**: To select a function
- TIMER** **TIMER**: To programme a recording with SHOWVIEW or to alter or clear a programmed recording (TIMER)
- MENU** **Menu**: To call up or end main menu
- OK** **Store/Confirm**: To store or confirm entry
- Select**: Cursor left
- Select**: Cursor right

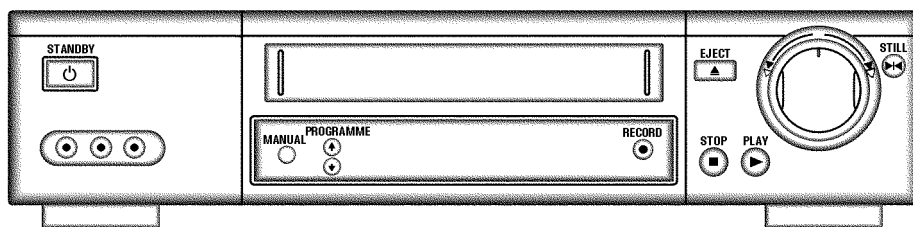
- Select**: One line or programme number up
- Select**: One line or programme number down
- Playback**: To play a cassette
- Rewind**: During STOP and STANDBY: rewind, during PLAYBACK: reverse scanning
- Pause/Stop**: To stop the tape, except during TIMER-recording
- Forward wind**: During STOP and STANDBY: forward wind, during PLAYBACK: forward scanning
- Index search**: In combination with / : to search for previous or next recording on the cassette.
- Record**: To record the programme selected
- Still picture**: To stop the tape and show a still picture

#### Additional TV functions

- TV volume**: TV volume up
- TV volume**: TV volume down
- TV sound off**: To switch the sound on or off
- TV Switch off**: To switch off the TV
- TV Programme number**: TV programme number up
- TV Programme number**: TV programme number down



## Front of the set



**STANDBY** **Standby** : To switch off, interrupt function, interrupt TIMER recording

**MANUAL** **Manual sound control** : To switch between automatic sound control and manual sound control

**PROGRAMME** **Programme number Plus**: Programme number up

**PROGRAMME** **Programme number Minus**: Programme number down

**RECORD** **Record**: To record the programme selected at this moment

**EJECT** **Eject**: To eject a cassette

**STOP** **Pause/Stop**: To stop the tape, except during TIMER-recording

**PLAY** **Playback** : To play back a recorded cassette

**Rotary control**: turn left: during STOP and STANDBY: rewind, during PLAYBACK: reverse scanning  
turn right: during STOP and STANDBY: wind, during PLAYBACK: forward scanning

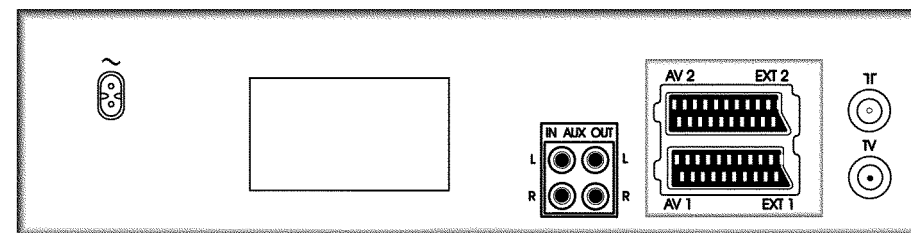
**STILL** **Still picture**: To stop the tape and display the actual position on the tape as a still picture

**Sockets at the lefthand corner on the front:**

**White and red socket: Audio input socket left/right** : To connect a camera recorder or video recorder (programme number 'E3')

**Yellow socket: Video input socket** : To connect a camera recorder or video recorder (programme number 'E3')

## Back of the set



**Mains socket**: To connect the mains cable

**AUX IN L R** **Audio input socket, left/right** : To connect a HiFi-set (programme number 'AUX')

**AUX OUT L R** **Audio output socket, left/right** : To connect a HiFi-set

**EXT.2 AV.2** **Scart socket 2**: To connect a satellite receiver, decoder, video recorder, etc. (programme number 'E2')

**EXT.1 AV.1** **Scart socket 1**: To connect the TV set (programme number 'E1')

**TF** **Aerial input socket**: To connect the aerial cable

**TV** **Aerial output socket**: To connect the TV set

# OPERATING INSTRUCTIONS PHILIPS VR700/58

**Congratulations!** You now own one of the most sophisticated and simple-to-use video recorders (VCR) on the market. With this VCR you can record and play VHS-standard cassettes.



Please take the time to read this operating manual before using your video recorder.

So that you can identify your machine in the event of theft, enter the serial number (PROD.NO) here. The serial number is printed on the type plate fixed at the rear of the set.










MODEL NO.

VR700/58

PROD.NO: . . . . .

This product complies with the requirements of the Directive 73/23/EEC + 89/336/EEC + 93/68/EEC.

## Safety instructions and other notes

-  **Danger: High voltage!**  
Do not remove the top cover as there is a risk of an electrical shock!
-  The video recorder does not contain any components that can be repaired by the customer. When the appliance is connected to the power supply there are some components that are constantly operational. To switch off the video recorder completely you must disconnect it from the power supply.
-  Make sure that air can circulate freely through the ventilation slots on the video recorder.
-  Make sure that no objects or liquids enter the video recorder. If liquid is spilt into it, disconnect the video recorder immediately from the power supply and call the After-sales Service for advice.
-  The video recorder should **not be used immediately after transportation** from a cold to a hot area or vice versa, or in conditions of extreme humidity.  
After unpacking the video recorder, it should be allowed to **acclimatize for at least three hours** before installation.
-  These operating instructions have been printed on nonpolluting paper.
-  Deposit old batteries at the relevant collection points.
-  Please make use of the facilities available in your country for disposing of the packaging of the video recorder in a way that helps to protect the environment.
-  This electronic equipment contains many materials that can be recycled. Please inquire about the possibilities for recycling your old set.
-  SHOWVIEW is a registered trademark of Gemstar Development Corporation. SHOWVIEW is manufactured under licence from Gemstar Development Corporation.

## Technical information

**Measurements in cm (W / H / D):** 43.5 / 9.3 / 29.0

**Power consumption (Standby) :** less than 4W (Saving energy mode)

**Voltage :** 220-240V/50Hz

**Number of heads :** 4 Video / 2 Audio

**Winding time:** approx. 90 seconds (Cassette E-180)

**Recording/Playback time :** SP (Standard Play) 4 hours (Cassette E-240) / LP (Long Play) 8 hours (Cassette E-240)

## List of accessories

- Operating instructions
- Remote control and batteries
- Aerial cable
- Mains cable
- Scart cable (AV-Euro cable)
- Cover for the audio/video sockets

SHOWVIEW®



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## Special functions on your video recorder

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### Crystal Clear Video

This system ensures that your picture will be of the best possible quality. This is made possible by a combination of Philips' very latest technologies: Natural Colour, Smart Picture, Digital Studio Picture Control and laser-cut video heads.

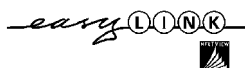
### Natural Colour Digital Studio Picture Control

Natural Colour produces detailed pictures in clear colours.

Philips has developed a system which produces the best possible playback quality. It reduces disturbance on old, worn video cassettes, and emphasises the detail on very good quality cassettes.

### Smart Picture

This function allows you to save the playback settings that suit you best. Select your own personal settings for the type of film you are currently watching.



Philips provides the best possible connection between your video recorder and other home cinema equipment.

### Plug & Play

When you connect your video recorder to your television and plug it into the mains, you will be welcomed with an OSD picture. All you have to do is follow the instructions in the "intelligent help line" for the next step. Enjoy the Automatic TV channel search/save function and the automatic time adjustment.

### Multibrand TV control



You can operate the main functions on your television using your video recorder remote control, even if your television is not a Philips one.

We guarantee that your video recorder will switch to the new millennium with no problems whatsoever.

### Automatic Satellite Recording

Recordings made on your video recorder can be controlled by an external satellite receiver.

### Follow TV

This function automatically transfers all the television channel settings onto your video recorder.

### Direct Record

Your video recorder can ascertain which channel is currently playing on your television and record from it at the touch of a button.

### SHOWVIEW®

Simple programming system for video recorders. Makes programming as easy as making a telephone call. Simply enter the programme code which you will find in your listings magazine.

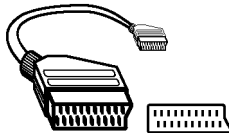
### TURBO ▼DRIVE

The precision tape drive from Philips with short rewind times and automatic tape length recognition.

# 1. HOW TO CONNECT YOUR VIDEO RECORDER

## How to connect your video recorder to the TV set

We recommend the use of a scart cable. This will give you the best picture and sound quality.



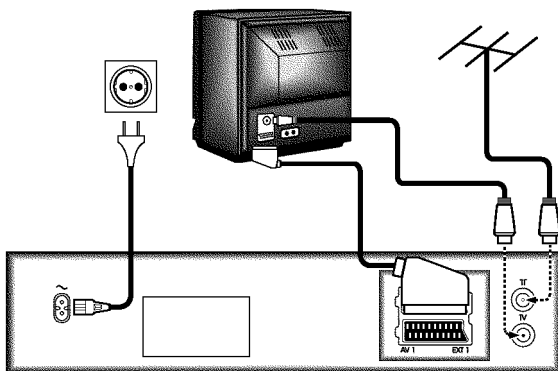
When you install your video recorder for the first time, please read:

- ☐ The section 'Connecting with scart cable and Easy Link/NexTView', when your TV set is equipped with 'Easy Link/NexTView'.
- ☐ The section 'Connecting with scart cable without Easy Link/NexTView', when your TV set is not equipped with 'Easy Link/NexTView'.
- ☐ The section 'Connecting without a scart cable', if you are not using a scart cable.




## Connecting with scart cable and 'Easy link/NexTView'



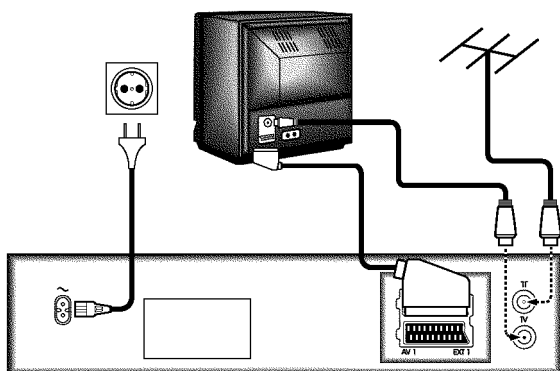
With the function 'Easy Link/NexTView', your video recorder can exchange information with the television (see instruction manual TV set.). With 'Easy Link/NexTView' the TV channels from the TV will automatically be loaded.



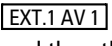



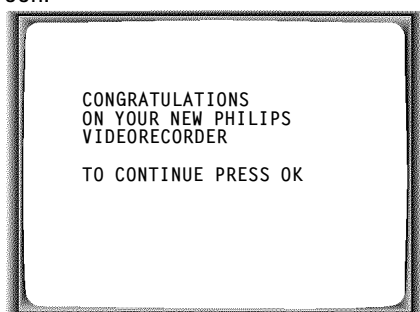
- 1** Switch off the TV set.


- 2** Remove the aerial cable plug from your TV set and insert it into the  socket at the back of the video recorder.
- 3** Plug one end of the aerial cable provided into the  socket on the video recorder and the other end into the aerial input socket on your TV set.
- 4** Plug one end of the special scart cable provided into the **EXT.1 AV 1** scart socket at the back of the video recorder and the other end into the scart socket on your TV set (see instruction manual TV set).
- 5** Switch on the TV set.
- 6** Insert one end of the mains cable into the mains socket  at the back of the video recorder and the other end into the wall socket.
- 7** The video recorder will automatically load all TV channels stored on your TV, in the same sequence. This may take several minutes. When all information (TV channels, language, country) has been copied, the following text will appear on the TV screen: 'EASY LINK LOADING COMPLETE'.
- 8** Check if time and date are correct. Read the section 'Setting Time/Date' in the chapter 'INSTALLING YOUR VIDEO RECORDER'.

## Connecting with a scart cable without 'Easy Link/NexTVView'



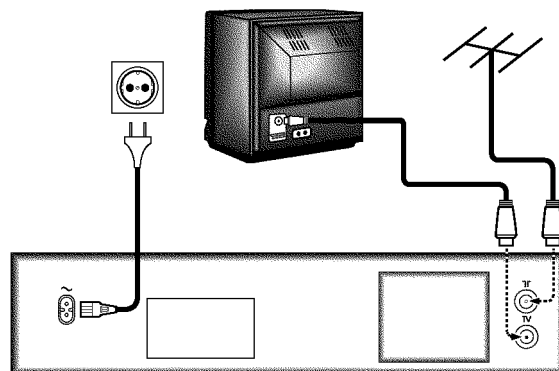
- 1 Switch off the TV set.
- 2 Remove the aerial cable plug from your TV set and insert it into the  socket at the back of the video recorder.
- 3 Plug one end of the aerial cable provided into the  socket on the video recorder and the other end into the aerial input socket on your TV set.
- 4 Plug one end of the scart cable into the  scart socket at the back of the video recorder and the other end into the scart socket on your TV set (see instruction manual TV set).
- 5 Switch on the TV set.
- 6 Insert one end of the mains cable into the mains socket  at the back of the video recorder and the other end into the wall socket.
- 7 If your TV set **automatically switches** to programme number e.g.: 'EXT', '0', or 'AV', this text will appear on the TV screen:







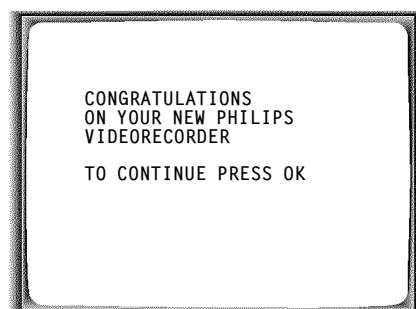
-  If your TV set does not switch to programme number e.g.: 'EXT', '0', or 'AV' automatically, select the programme number for the video recorder manually (see instruction manual TV set).

- 8 Then read 'Initial installation' in chapter 'INSTALLING YOUR VIDEO RECORDER'.

## Connecting without a scart cable



- 1 Switch off the TV set.
- 2 Remove the aerial cable plug from your TV set and insert it into the  socket at the back of the video recorder.
- 3 Plug one end of the aerial cable provided into the  socket on the video recorder and the other end into the aerial input socket on your TV set.
- 4 Insert one end of the mains cable into the mains socket  at the back of the video recorder and plug the other end into the wall socket.
- 5 Switch on your TV set and select the programme number that you have chosen for video playback (see instruction manual TV set).
- 6 Tune in the TV set until this picture appears.  
 The video recorder will now be sending a welcoming text on channel 36 or 591MHz.



- 7 When the TV has been tuned read the paragraph 'Initial installation' in the chapter 'INSTALLING YOUR VIDEO RECORDER'.



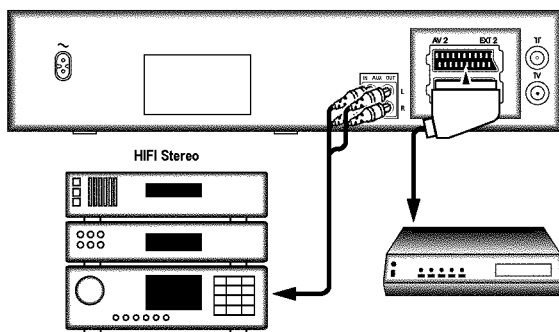
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## Connecting a decoder or other equipment

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You can connect additional equipment to the **EXT.2 AV 2** socket. For example: a decoder, a satellite receiver or a camera recorder.

You can connect a HIFI-stereo set to the sockets **AUX OUT L R** (audio output left/right) and **AUX IN L R** (audio input left/right).

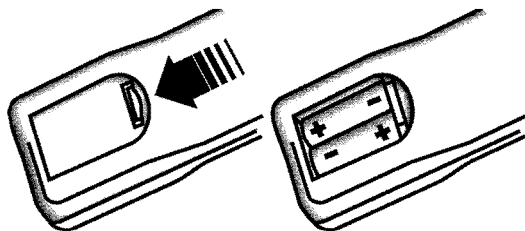




## 2. INSTALLING YOUR VIDEO RECORDER

### Initial installation

- 1 Open up the battery compartment of your remote control and place the batteries in it as shown in the picture.



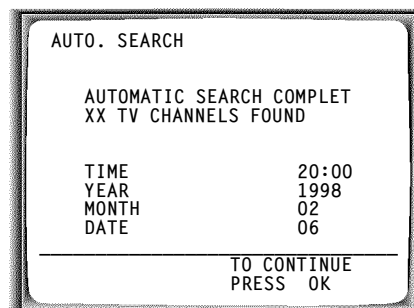
- 2 Close the battery compartment.
- 3 Confirm the picture on the TV screen with the **OK** button on the remote control.
- 4 Select the language for the on-screen display (OSD) with the **P↓** or **P↑** button.  
The display on the video recorder will only show English text.
- 5 Confirm with the **OK** button.
- 6 Select the country of your residence with the **P↓** or **P↑** button.  
If this country does not show up, select 'OTHERS'.  
Confirm with the **OK** button.
- 7 If you have connected the aerial to the video recorder, press the **OK** button.  
'Automatic TV channel search' starts. This picture will appear on the screen:



Wait until all TV channels have been found. This can take several minutes.

- 8 When all TV channels have been found, 'AUTOMATIC SEARCH COMPLETE' will appear on the TV screen.

- ☐ 'TIME', 'YEAR', 'MONTH', 'DATE' will appear on the TV screen.



- 9 Check if the TIME in line 'TIME' is correct. If required, change the time with the number buttons **0-9** on your remote control.
  - 10 Check 'YEAR', 'MONTH' and 'DATE' in the same way. To select between the fields, use the **P↓** or **P↑** button.
  - 11 When all the information is correct, confirm with the **OK** button.
  - 12 To end, press the **MENU** button.  
The initial installation is now complete.
- i** If you have connected a decoder, you must install it as described in the next section.
- i** If you have connected a satellite receiver, please read the section 'satellite receiver'.



### Allocating a decoder

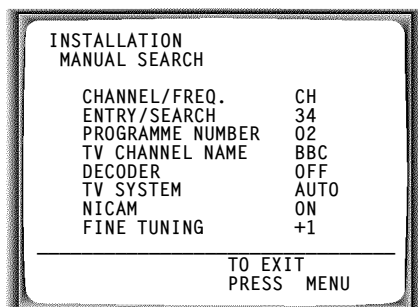
Some TV stations will send coded TV channels, that you can only watch when you use a decoder. You can connect such a decoder (descrambler) to your video recorder. With the following function, the connected decoder will automatically be activated for the TV programme you want to watch.

- i** With 'Connecting with scart cable and 'Easy Link/NexTView' the decoder must be activated for the TV set.

- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Choose the television channel on which you wish to use the decoder with the **P↑** or **P↓** buttons on the video recorder or the number buttons **0-9** on the remote control.
- 3 Press the **MENU** button on the remote control. The main menu will appear.

**4** Select the line 'INSTALLATION' with the **P↓** or **P↑** button and confirm with the **→** button.

**5** Select the line 'MANUAL SEARCH' with the **P↓** or **P↑** button and confirm with the **→** button.



**6** Select the line 'DECODER' with the **P↓** or **P↑** button.

**7** Select function 'ON' with the **←** or **→** button. When you select 'OFF', the function will be switched off.

**8** Confirm with the **OK** button.

**9** To end, press the **MENU** button.  
Your decoder has now been allocated to this TV channel.

**i** When the function is switched on, 'DEC' appears in the display.



## Manual TV channel search

In certain cases the 'Automatic TV channel search' may not be able to find all of the TV channels (e.g. coded TV channels). In that case, use this manual method to set the channels.

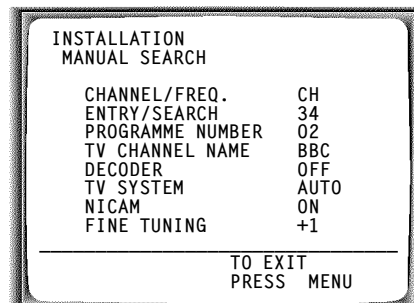
**i** With 'Connecting with scart cable and 'Easy Link/NexTVView' the videorecorder automatically takes the TV channels from the TV set. This is why some lines are not functional.

**1** Switch on the TV set. If required, select the programme number for the video recorder.

**2** Press the **MENU** button. The main menu appears.

**3** Select the line 'INSTALLATION' with the **P↓** or **P↑** button and confirm with the **→** button.

**4** Select the line 'MANUAL SEARCH' with the **P↓** or **P↑** button and confirm with the **→** button.



**5** In the line 'CHANNEL/FREQ.', select the display for:  
'FREQ.': frequency  
'CH': channel  
'S-CH': special channel

**6** If you know the frequency or channel of the desired TV channel, you can enter the data in line 'ENTRY/SEARCH' with the digit buttons **[0-9]**.

**i** If you don't know the frequency or channel of the TV channel of your choice, press the **→** button to start the channel search.

**7** In the line 'PROGRAMME NUMBER' select the programme number you want e.g.: '01' with the **←** or **→** button.

**8** If you want to change the TV channel name, press the **→** button in line 'TV CHANNEL NAME'.

**□** Select the character you want to change with the **←** or the **→** button. Change the character with the **P↓** or the **P↑** button. Select the next character in the same way.

**□** Keep pressing the **→** button until the cursor disappears.

**9** In the line 'TV SYSTEM', select the required TV system with the **→** or **←** button.

**10** In the line 'NICAM', select function 'ON' or 'OFF' with the **→** or **←** button.

**11** If you want to change the automatic tv channel setting, select the line 'FINE TUNING'.  
With the **←** or **→** button you can vary the automatic tv channel setting. **Important:** This re-tuning is only necessary and useful in **special cases**, e.g.: when there are stripes on the picture with cable-TV systems.

**12** Press the **OK** button to store the TV channel.

**i** If you want to search for further TV channels, start again at step **6**.

**13** To end, press the **MENU** button.

## Satellite receiver

You can receive channels from the satellite receiver via the scart socket **EXT.2 AV 2**.



To do this, select the channel number 'E2' by pressing the buttons **P↑** or **P↓**. You will have to select the channels to be received by the satellite receiver on the receiver itself.

## Special installation functions

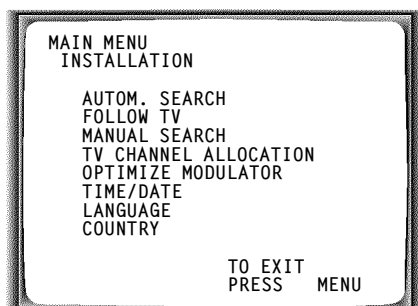
You can select one of the following installation functions in order to adapt the video recorder to your own specific requirements.

### Automatic TV Channel Allocation (FOLLOW TV)

With this function the video recorder maintains the same channel sequence as on the TV set, in case you connected your videorecorder to a TV set **without scart cable**. This only functions if the video recorder (socket **EXT.1 AV 1**) and the TV set are **connected with a scart cable**.



-  Additional equipment connected to socket **EXT.2 AV 2** must be **switched off**.
-  With 'Connecting with scart cable and 'Easy Link/NexTView'', this function will start the data transfer.

- 1** Switch on the TV set. If required, select the programme number for the video recorder.
- 2** Press the **MENU** button. The main menu appears.
- 3** Select the line 'INSTALLATION' with the **P↓** or **P↑** button and confirm with the **→** button.



- 4** Select the line 'FOLLOW TV' with the **P↓** or **P↑** button and confirm with the **→** button. Take notice of the message on the TV screen.
- 5** Press the **OK** button. 'TV01' appears in the video recorder display.



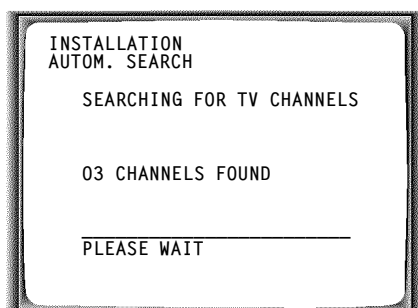
- 6** Select programme number '1' **on the TV set**.
- 7** Confirm with the **OK** button on the video recorder-remote control. The video recorder compares the TV channels on the TV set and the video recorder. If the video recorder found the same TV channel as the TV set, then it stores it at 'P01'.
  -  When 'NOTV' (no signal from TV set) appears in the display, the TV channels can not be allocated automatically. In this case, read paragraph: 'Manual TV channel allocation'.
- 8** Wait until e.g.: 'TV02' appears.
- 9** Select the next programme number, e.g.: '2' **on the TV set**.
- 10** Confirm with the **OK** button on the video recorder-remote control.
  -  If you have allocated the wrong TV channel, you can go back one step with the **←** button.
- 11** Repeat steps **8** to **10** until all TV channels have been allocated.
- 12** To end, press the **MENU** button.



## Automatic TV channel search

The video recorder will search for all TV channels.  
If you want to start the automatic TV channel search again, then follow the instructions below.

- 1** Switch on the TV set. If required, select the programme number for the video recorder.
- 2** Press the **[MENU]** button on the remote control. The main menu will appear.
- 3** Select the line 'INSTALLATION' with the **[P↓]** or **[P↑]** button and confirm with the **[→]** button.
- 4** Select the line 'AUTOM. SEARCH' with the **[P↓]** or **[P↑]** button.
- 5** Press the **[→]** button. The 'Automatic TV channel search' starts.



- 6** When the TV channel search is complete, 'AUTOMATIC SEARCH COMPLETE' will appear on the screen.

How to search for a TV channel manually, you can read in the section 'Manual TV channel search'.

## Monitor function

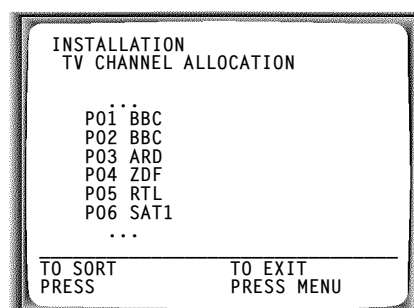
You can switch backwards and forwards between TV picture and video recorder picture with the **[MONITOR]** button. But this only works when you use a scart cable to connect the video recorder to your TV set and if your TV set responds to this switch-over.

## Sorting and clearing TV channels manually

You can assign any programme number to a TV channel that you have stored and you can also delete unwanted TV channels.

**i>** With 'Connecting with Easy Link/NexTView' the video recorder automatically loads the TV channels from the TV set. That is why you cannot select this manual function.

- 1** Switch on the TV set. If required, select the programme number for the video recorder.
- 2** Press the **[MENU]** button. The main menu appears.
- 3** Select the line 'INSTALLATION' with the **[P↓]** or **[P↑]** button and confirm with the **[→]** button.
- 4** Select the line 'TV CHANNEL ALLOCATION' with the **[P↓]** or **[P↑]** button and confirm with the **[→]** button.



- 5** With the **[P↓]** or **[P↑]** button, select the TV channel to which you want to allocate a programme number (starting with 'P01').

- 6** To confirm, press the **[→]** button.

**i>** If you want to delete a TV channel, press the **[CLEAR (CL)]** button.

- 7** With the **[P↓]** or **[P↑]** button, shift the TV channel to the programme number you wish to allocate to this TV channel and press the **[←]** button. The video recorder will add the TV channel.

- 8** Repeat steps **5** to **7** until you have allocated a programme number to all TV channels.

- 9** To store, press the **[OK]** button.

- 10** To end, press the **[MENU]** button.

## Setting the language

You can select the language for the on-screen display (OSD). The small display on the video recorder will only show english text.

- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Press the **MENU** button on the remote control. The main menu will appear.
- 3 Select the line 'INSTALLATION' with the **P↓** or **P↑** button and confirm with the **→** button.
- 4 Select the line 'LANGUAGE' and confirm with the **→** button.
- 5 Select your language with the **P↓** or **P↑** button and confirm with the **OK** button.
- 6 To end, press the **MENU** button.

## Setting the country

To call up the specific settings for your country, you must install the country.

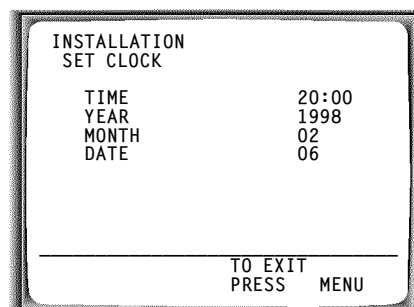
- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Press the **MENU** button on your remote control. The main menu will appear.
- 3 Select the line 'INSTALLATION' with the **P↓** or **P↑** button and confirm with the **→** button.
- 4 Select the line 'COUNTRY' and confirm with the **OK** button.
- 5 Select the country you are in with the **P↓** or **P↑** button. If your country doesn't show up, select 'OTHERS'.
- 6 Confirm with the **OK** button.
- 7 To end, press the **MENU** button.

## Setting the time and date

If a TV channel which transmits TXT/PDC is stored under programme number 'P01', time and date will automatically be taken from the TXT/PDC information.

If the time in the video recorder display is not correct or if ' - - : - - ' appears in the display, please set the clock manually.

- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Press the **MENU** button on the remote control. The main menu will appear.
- 3 Select the line 'INSTALLATION' with the **P↓** or **P↑** button and confirm with the **→** button.
- 4 Select the line 'TIME/DATE' with the **P↓** or **P↑** button and confirm with the **→** button.











- 5 Check the time in line 'TIME'. If required, please change the time with the **0-9** buttons on the remote control.
- 6 Check 'YEAR', 'MONTH' and 'DATE' in the same way. Switch between the fields with the **P↓** or **P↑** button.
- 7 Confirm the new information with the **OK** button.
- 8 To end, press the **MENU** button.



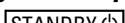
### 3. IMPORTANT NOTES FOR OPERATION


#### General information

-  You can switch on with the  button, the  buttons or by putting in a cassette.
-  If you do not use the video recorder for a few minutes, it will switch to standby automatically. Please read the section 'Automatic switch-off' in chapter 'ADDITIONAL FUNCTIONS'.
-  If you have switched the video recorder off with the  button, the time will show in the display, for instance, '18:00'.  
If the clock has not been set, '- - : - -' will appear.
-  Keep your video recorder connected to the mains at all times to ensure that programmed recordings can be made and that the television works normally.
-  If the video recorder is not plugged into the mains, it will usually store TV channels and timer information for a year, and date information for seven hours.


#### Saving energy

There are two ways to switch to standby.

**Switching to standby with clock display:** Switch to standby using the  button. The time will be displayed.

**To save energy:** Press the  button twice. The time will disappear from the display.

#### Emergency interrupt

You can use the  button on the video recorder or the remote control to interrupt any function.









So if you are having operating problems, you can just interrupt the function and start again.

And you can practise operating your set without any worries. No matter which buttons you press, you cannot damage it.

#### The symbols on your video recorder display

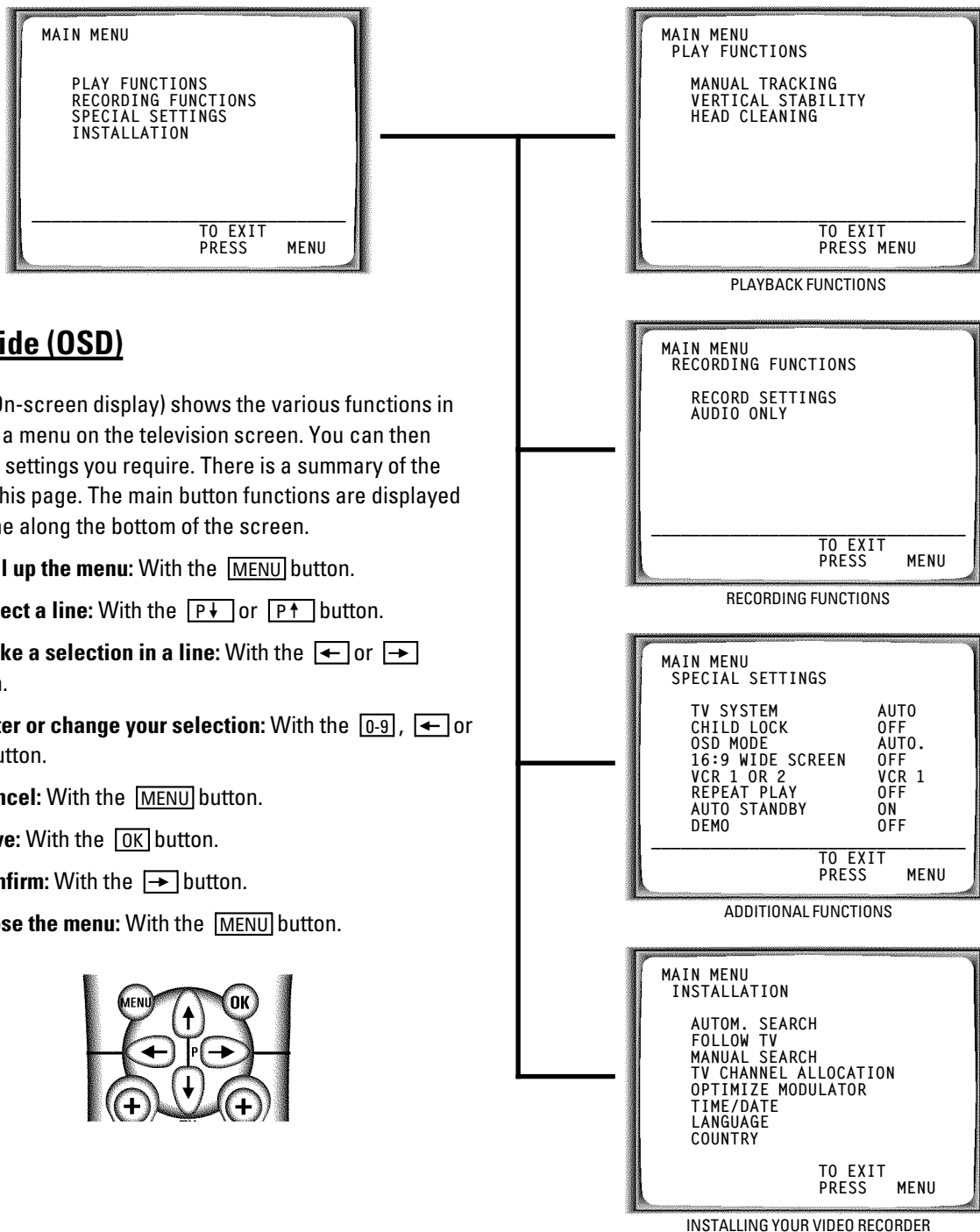


These symbols can light up on your video recorder display:

- |   |   |
|---|---|
| VPS/PDC   | Video programming system / programme delivery control: when a VPS or PDC code is being transmitted.   |
|    | This is where the current operating mode is shown as a symbol.  |
|    | When you are recording a programme.   |
|    | When you have programmed a recording or when a programmed recording is being made.                    |
| LP  | When you play a tape that has been recorded in LP (Long Play).  |
|  | When you have put a cassette in the video recorder.   |
|  | When you have switched on the child lock.   |
|  | When a satellite recording has been programmed.   |
| DEC   | When a decoder has been allocated to the TV channel you have currently selected.                      |
|  | Display of programme number / tape position / channel name / function.                                |
| h   | Tape position in hours.   |
| m   | Tape position in minutes.   |
| s   | Tape position in seconds, but only if the display mode 'COUNTER' has been selected.                   |
| HiFi  | When you play a cassette that has been recorded with hifi sound, or when a hifi sound is transmitted. |
| NICAM   | When the video recorder recognizes a Nicam audio signal.  |
| LR  | This shows the sound track you have selected.   |
|  | This shows the audio control (L-left channel/R-right channel).  |

## Summary of user guide

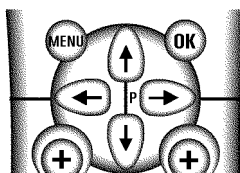
The OSD menu offers the following functions. More details on each can be found in the appropriate chapter.



### User guide (OSD)

The OSD (On-screen display) shows the various functions in the form of a menu on the television screen. You can then choose the settings you require. There is a summary of the menus on this page. The main button functions are displayed in a help line along the bottom of the screen.

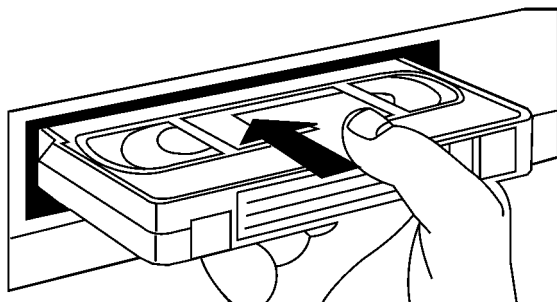
- ☐ **To call up the menu:** With the **[MENU]** button.
- ☐ **To select a line:** With the **[P↓]** or **[P↑]** button.
- ☐ **To make a selection in a line:** With the **[←]** or **[→]** button.
- ☐ **To enter or change your selection:** With the **[0-9]**, **[←]** or **[→]** button.
- ☐ **To cancel:** With the **[MENU]** button.
- ☐ **To save:** With the **[OK]** button.
- ☐ **To confirm:** With the **[→]** button.
- ☐ **To close the menu:** With the **[MENU]** button.



## 4. PLAYBACK FUNCTIONS

### Playing a cassette

- 1 Put a cassette into the cassette slot. 'C' will appear on the display.



- 2 Press the **PLAY ▶** button.
  - 3 To stop, press the **STOP ■** button.
  - 4 To eject the cassette, press the **EJECT ▲** button on the video recorder.  
To eject a cassette, you can also use the **EJECT ▲** button on the remote control
- i Some hired cassettes may have a poor picture or poor sound quality. This is not a fault in your machine. Please read the section 'Selecting the picture setting (SMART PICTURE)', or 'Eliminating picture interference'.
  - i Some functions switch off automatically after a while (for example, pause, still picture, picture search). This helps to protect the cassette and avoids wasting power.

### Playing NTSC cassettes

With this set you can playback cassettes that have been recorded on another video recorder in the NTSC standard (for example, American cassettes). But this only works for PAL-television sets which are suitable for a picture frequency of 60 Hz.

When you play an NTSC cassette '60HZ' will appear on the display.

- i Some special features (for example, still picture) are not possible while you are playing an NTSC cassette.

### Tape position indication

By pressing the **OK** button, you can show the present tape position on the TV screen.

- 1 During playback press the **COUNTER** button.
  - 2 Select one of the following options with the **COUNTER** button:  
'TIME USED' to indicate the time used on the tape  
'TIME LEFT' to indicate the time left on the tape  
'COUNTER' to indicate the actual position on the tape
- i To reset the tape position to '0:00:00', press the **CLEAR (CL)** button.
  - i This video recorder will automatically recognise the length of the tape.
  - i When you put in a cassette, the video recorder must first calculate the playing time for 'TIME USED' or 'TIME LEFT'. Therefore, the display first shows '⊙' and then shows the playing time after the tape has been running for a few seconds.
  - i If there is no recording on the tape and you have selected 'COUNTER', the counter will stop.

### Searching for tape position with the picture (picture search)

- 1 While a cassette is playing, press the **◀◀** (reverse) or **▶▶** (forward) button once or several times.
  - 2 To stop a certain place on the tape, press the **PLAY ▶** button.
- i During picture search, the picture quality may not be so good and there will be no sound.


### Still picture/Slow motion


- 1 Press the **STILL ▶◀** button. A still picture will appear on the screen.
- 2 Each time you press **STILL ▶◀** again, the picture will move on one step.
- 3 When you hold the **STILL ▶◀** button, the tape will be played in slow motion.
- 4 When you press the **▶▶** button several times, you have a choice of several playback speeds.  
During slow motion there will be no sound.








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## **The SHUTTLE functions on the video recorder**

You will find a large rotary knob (Shuttle)  on the video recorder.




- 1 Switch the function on with the  button on the video recorder.  
You will see a still picture.
- 2 The rotary ring(shuttle) enables you to select different tape speeds for the picture search.

## **Searching for tape position without the picture (wind and rewind)**

- 1 Stop the tape with the  button.
- 2 Press the  (reverse) or  (forward) button. If you want to carry out this function on your video recorder, turn the large knob (shuttle)  to the left or to the right.
- 3 To stop a certain place on the tape, press the  button.




## **Instant View**

With this function you can switch to picture search during wind and rewind.

- 1 If you hold the  (rewind) or  (wind) button during wind or rewind, you will switch to picture search.  
 If you want to carry out this function on your video recorder, turn the large knob to the left or to the right while you wind or rewind the tape.
- 2 When you release the button, the video recorder will automatically switch back to rewind or wind.

## **Automatic search for a tape position (index search)**




At the start of each recording, the video recorder will write an index code on the tape.

- 1 Press the  button and then the  button to select the next code mark or the  button for the previous code mark.
- 2 When the video recorder finds the code mark, it will automatically switch to play.

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## **Selecting the picture setting (SMART PICTURE)**

You can change the picture setting while a tape is playing.











- 1 Press the  button. This will show the current picture setting.
- 2 Press the  button again to select the picture setting of your choice.  
'NATURAL': for all types of movies (natural picture)  
'DISTINCT': for fast movement, sport (detailed picture)  
'SOFT': for hired tapes (interference is suppressed)  
'SHARP': for cartoons (sharp picture)  
 This picture setting will not change until you eject the cassette.

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## **Picture interference**

If the picture quality is poor when you play a cassette, please follow these instructions.

## **Tracking during playback**


- 1 During playback, press the  button.
- 2 Select the line 'PLAY FUNCTIONS' with the  or  button and confirm with the  button.
- 3 Select the line 'MANUAL TRACKING' with the  or  button.
- 4 Hold the  or  button until the playback quality is at its best.
- 5 Confirm with the  button.
- 6 To end, press the  button. This setting will remain until you remove the cassette.



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## **Tracking during still picture**

If the still picture vibrates vertically, you can improve the still picture as follows:

- 1** During still picture, press the **[MENU]** button.
  - 2** Select the line 'PLAY FUNCTIONS' with the **[P↓]** or **[P↑]** button and confirm with the **[→]** button.
  - 3** Select the line 'VERTICAL STABILITY' with the **[P↓]** or **[P↑]** button.
  - 4** Hold the **[←]** or **[→]** button until the picture quality is at its best.
  - 5** Confirm with the **[OK]** button.
  - 6** To end, press the **[MENU]** button.
-  Please note, however, that interference may still occur with poor quality cassettes.

## **Cleaning the video heads**

If horizontal lines appear on the screen when you play a cassette, you should clean the video heads.



- 1** During playback, press the **[MENU]** button.
- 2** Select the line 'PLAY FUNCTIONS' with the **[P↓]** or **[P↑]** button and confirm with the **[→]** button.
- 3** Select the line 'HEAD CLEANING' with the **[P↓]** or **[P↑]** button.
- 4** Press the **[OK]** button. 'HEAD CLEANING IN PROGRESS' appears on the screen.
- 5** Wait a few seconds, until the message disappears and then press the **[MENU]** button.

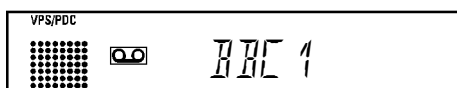
## 5. MANUAL RECORDING

Use 'Manual Recording' to make a spontaneous recording (for example, a programme currently being shown).

- ☐ If you want to start and stop a recording manually, read the section: 'Recording without automatic switch-off'.
- ☐ If you want to start a recording manually but have it stopped automatically, read the section: 'Recording with automatic switch-off'.
- ☐ If you want a recording to be controlled automatically by a satellite receiver, read the section entitled 'Automatic recording from a satellite receiver'.

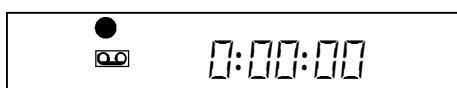
### Recording without automatic switch-off

- 1 Insert a cassette.
- 2 Use the **P↑** or **P↓** button to select the programme number (or channel name) you want to record. On the display appears:



- i** Programme numbers 'E1' and 'E2' are for recording from other sources (through scart sockets **EXT.1 AV 1** and **EXT.2 AV 2**). Programme number 'E3' is for recording from the front sockets.

- 3 To start recording, press the **RECORD/OTR** button on the remote control or **RECORD** on the video recorder. On the display you will see:



- 4 Stop recording with the **STOP** button.

### Recording with automatic switch-off (OTR one-touch-recording)

- 1 Put a cassette in the machine.
  - 2 Use the **P↑** or **P↓** button to select the programme number (channel name) you want to record.
  - 3 Press the **RECORD/OTR** button on the remote control.
  - 4 Press the **RECORD/OTR** button again and again until the display on the video recorder shows the desired end time or length of the recording.
- i** To cancel this information, press the **CLEAR (CL)** button.

### Protecting your recordings

So that you don't accidentally delete an important recording, remove the special tab on the narrow side of the cassette with a screwdriver or slide the special tab to the left. Later, if you no longer want to protect your recording, you can seal the gap again with sticky tape or slide the special tab to the right.

### Auto-assembling

You can use the auto-assembling function to join individual recordings without any major picture disturbance between them.

- 1 While the cassette is playing, search for the correct position on the tape.
- 2 Stop the cassette by pressing the **STOP** button. 'II' will appear in the display.
- 3 Now start recording as usual by pressing the **RECORD/OTR** button on the remote control.

### Selecting the recording speed (SP or LP)

You can reduce the recording speed by half. This makes it possible to record, for example, eight-hours instead of four-hours on an 'E240' (four-hour) cassette.

- 1 Switch on the TV set and, if required, select the programme number for the video recorder.
- 2 Press the **MENU** button. The main menu appears.
- 3 Select the line 'RECORDING FUNCTIONS' with the **P↓** or **P↑** button, and confirm with the **→** button.
- 4 Select the line 'RECORD SETTINGS' with the **P↓** or **P↑** button, and confirm with the **→** button.
- 5 Select the line 'RECORDING SPEED' with the **P↓** or **P↑** button.
- 6 Select the required recording speed with the **←** or **→** button.
  - i** 'LP': Long Play = half recording speed (double recording time).
  - 'SP': Standard Play = normal recording speed.
  - i** The picture quality will be adversely affected when recording at half recording speed ('LP').
  - i** For playback, the correct recording speed will automatically be selected.
- 7 Confirm with the **OK** button.
- 8 To end, press the **MENU** button.




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## Automatic recording from a satellite receiver (SAT RECORDING)

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You can only use this function, when you have a satellite receiver, which can control other equipment by a 'programming' function through a scart cable.





- 1** Switch on the TV set. If required, select the programme number for the video recorder.
- 2** Press the **[MENU]** button. The main menu appears.
- 3** Select the line 'RECORDING FUNCTIONS' with the **[P↓]** or **[P↑]** button, and confirm with the **[→]** button.
- 4** Select the line 'RECORD SETTINGS' with the **[P↓]** or **[P↑]** button, and confirm with the **[→]** button.
- 5** Select the line 'SAT RECORDING' with the **[P↓]** or **[P↑]** button.
- 6** Select the required scart socket 'E1' or 'E2' with the **[←]** or **[→]** button.  
If you want to switch off the function, select 'OFF' with the **[→]** or **[←]** button.
- 7** Confirm with the **[OK]** button.
- 8** Use a scart cable to connect the scart socket you selected on the video recorder ( **[EXT.1 AV 1]** or **[EXT.2 AV 2]** ) to the corresponding scart socket on the satellite receiver.
- 9** Insert a cassette.
- 10** Switch off with the **[STANDBY ⏻]** button. The video recorder is now ready to record. The beginning and end of the recording is controlled via one of the scart sockets.  
 When this function is switched on and the video recorder is switched off, '⌘' will appear on the video recorder display.

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## Switching on 'Direct Record'

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When this function is switched on, the video recorder will automatically record the programme selected on the television by means of a scart cable.

-  **The video recorder must be switched off .**
-  With 'Connecting with scart cable and 'Easy Link/NexTVView', the video recorder will also take the programme number from the TV set automatically with the video recorder switched on.
- 1** Switch on the TV set. If required, select the programme number for the video recorder.
  - 2** Press the **[MENU]** button. The main menu appears.
  - 3** Select the line 'RECORDING FUNCTIONS' with the **[P↓]** or **[P↑]** button, and confirm with the **[→]** button.
  - 4** Select the line 'RECORD SETTINGS' with the **[P↓]** or **[P↑]** button, and confirm with the **[→]** button.
  - 5** Select the line 'DIRECT RECORD' with the **[P↓]** or **[P↑]** button.
  - 6** Select the function 'ON' with the **[←]** or **[→]** button. If you select 'OFF', the function will be switched off.
  - 7** Confirm with the **[OK]** button.
  - 8** To end, press the **[MENU]** button.
  - 9** Switch off with the **[STANDBY ⏻]** button.
  - 10** On the TV set, select the programme number you want make the recording from.
  - 11** Press the **[RECORD/OTR ●]** button with the video recorder **switched off**.  
 Don't select another programme number on your TV set, until the 'search symbol' in the display of your video recorder disappears. This can take up to one minute.  
 When 'NOTV' appears in the display, the programme number could not be found. The video recorder switches off automatically. In this case, read the section 'Recording without automatic switch-off'.

## 6. PROGRAMMED RECORDING (TIMER)

Use programmed recording to automatically start and stop a recording at a later date.

To make a programmed recording, your video recorder needs to know:

- \* the date you want to make the recording;
- \* the programme number for the TV channel you want to record;
- \* the start and stop time of the recording;
- \* VPS/PDC on or off
- \* the recording speed (SP/LP)

The video recorder stores all the information in a TIMER block. You can programme up to 6 TIMER blocks a month in advance.

### 'VPS' (Video Programming System) and 'PDC' (Programme Delivery Control)

With 'VPS and PDC', the TV station controls the start time and the length of the recording. This means that the video recorder switches itself on and off at the **right time** even if a TV programme you want to record begins earlier or finishes later than expected.

Usually the start time is the **same** as the VPS or PDC time. But if your TV guide gives a VPS or PDC time which is different to the programme's start time (for example, 20.15 and VPS 20.14), you must enter '20.14' as the start time.

If you want to programme a time that is different from the VPS or PDC time, you must switch off VPS or PDC.

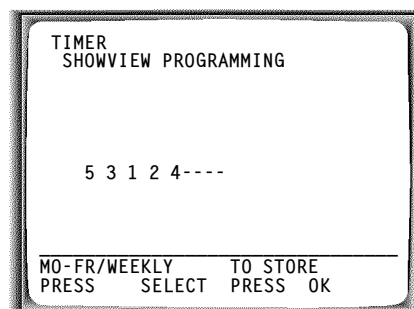
### Programming a recording (with 'SHOWVIEW')

All the important information needed for a programming is contained in the SHOWVIEW-programming number.

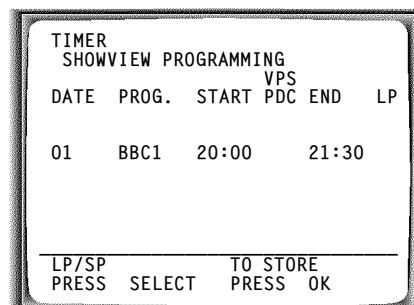
# SHOWVIEW®

- 1** Switch on the TV set and select the programme number for the video recorder.
- 2** Press the **TIMER** button on the remote control. The programming mode selected last is marked.
- 3** Select the line 'SHOWVIEW PROGRAMMING' with the **P↓** or **P↑** button and confirm with the **→** button.

- 4** Enter the entire SHOWVIEW-number (up to 9 digits) printed in your TV guide next to the start time of a TV programme.  
For example, 5-312-4 or 5 312 4  
Enter 53124 for the SHOWVIEW-number.  
If you make a mistake, you can clear your instructions with the **CLEAR (CL)** button.



- 5** Use the **SELECT** button to select daily or weekly programming.  
'MO - FR': recordings every day from Monday to Friday.  
'WEEKLY': recordings every week on the same day of the week.
- 6** Confirm with the **OK** button. Your programming details will then appear on the TV screen.



- i** If SHOWVIEW does not recognise the TV channel, 'PLEASE ENTER PROGRAMME NUMBER' will appear on the TV screen. Select the programme number (programme name) you want with the number buttons **0-9** on the remote control and confirm with the **OK** button.
- i** If 'SHOWVIEW CODE WRONG' appears on the TV screen, this means you entered an incorrect SHOWVIEW-code number or the incorrect date. Correct your instructions or end with the **TIMER** button.
- i** If 'WEEKEND PROGRAMMING - NOT POSSIBLE' appears on the TV screen, the date was incorrectly entered. 'Daily' programming can only be used for recordings to be made from Mondays to Fridays.



- i> Use the **[SELECT.]** button to switch 'VPS/PDC' on or off in 'START'.
  - i> Use the **[SELECT.]** button to select the recording speed 'SP' or 'LP' in 'END'.
- 7** Confirm with the **[OK]** button when the information is correct.
- i> The programming information has been stored in a TIMER block.
- 8** To end, press the **[TIMER ⏸]** button.
- 9** Make sure that the cassette you have put in can be recorded on.
- 10** Switch off with the **[STANDBY ⏻]** button.  
The programmed recording will only function when the video recorder is **switched off** with the **[STANDBY ⏻]** button.
- i> If any of the TIMER blocks are in use, 'Ⓢ' will light up on the video recorder display.
  - i> While a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press the **[STANDBY ⏻]** button.
  - i> If the video recorder is switched on a few minutes before a programmed recording is supposed to begin, 'SWITCH TO STANDBY - TIMER RECORDING' will flash on the TV screen.
  - i> If you reach the end of the cassette during a recording, the video recorder will automatically eject the cassette.
  - i> If you forget to load a cassette, 'NO CASSETTE' will appear on the TV screen and 'Ⓢ' will flash on the video recorder display.
  - i> If you have put in a cassette which cannot be used for recording, the video recorder will automatically eject it.
  - i> If 'TIMER FULL' appears on the TV screen when you press the **[TIMER ⏸]** button, you have used up all the available TIMER blocks. If you want to clear or check a TIMER block, select it with the **[P↑]** or **[P↓]** button.
  - i> Programme number 'AUX' is provided for audio recordings via sockets **[AUX IN L R]**.

## Programming a recording (without 'SHOWVIEW')

- 1** Switch on the TV set and select the programme number for the video recorder.
- 2** Press the **[TIMER ⏸]** button on the remote control. The programming mode selected last is marked.
- 3** Select the line 'TIMER PROGRAMMING' with the **[P↓]** or **[P↑]** button and confirm with the **[→]** button.

| TIMER<br>TIMER PROGRAMMING   |       |       |                      |       |    |
|------------------------------|-------|-------|----------------------|-------|----|
| DATE                         | PROG. | START | VPS<br>PDC           | END   | LP |
| 01                           | BBC1  | 20:00 |                      | 21:30 |    |
| MO-FR/WEEKLY<br>PRESS SELECT |       |       | TO STORE<br>PRESS OK |       |    |

- 4** Select the entry field with the **[←]** or **[→]** button.
- 5** Enter information with the **[P↓]** or **[P↑]** button or with the digit buttons **[0-9]**.
  - i> Under 'DATE', use the **[SELECT.]** button to select daily or weekly programming.  
'MO - FR': Recording from Monday to Friday.  
'MO': Recordings every week on the same day.
  - i> Under 'START', use the **[SELECT.]** button to switch 'VPS or PDC' on or off.
  - i> Under 'END', use the **[SELECT.]** button to select the recording speed 'SP' or 'LP'.
- 6** Confirm with the **[OK]** button when the information is correct.
  - i> The programming information has been stored in a TIMER block.
- 7** To end, press the **[TIMER ⏸]** button.
- 8** Make sure that the cassette you have put in can be recorded on.
- 9** Switch off with the **[STANDBY ⏻]** button.  
The programmed recording will only function when the video recorder is **switched off** with the **[STANDBY ⏻]** button.
  - i> If any of the TIMER blocks are in use, 'Ⓢ' will light up on the video recorder display.

- ▶ While a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press the **STANDBY** button.
- ▶ If the video recorder is switched on a few minutes before a programmed recording is supposed to begin, 'SWITCH TO STANDBY - TIMER RECORDING' will flash on the TV screen.
- ▶ If you reach the end of the cassette during a recording, the video recorder will automatically eject the cassette.
- ▶ If you forget to load a cassette, 'NO CASSETTE' will appear on the TV screen and '⏻' will flash on the video recorder display.
- ▶ If you have put in a cassette which cannot be used for recording, the video recorder will automatically eject it.
- ▶ If 'TIMER FULL' appears on the TV screen when you press the **TIMER** button, you have used up all the available TIMER blocks. If you want to clear or check a programmed recording (TIMER block), press the **→** button and select the TIMERR block with the **P↑** or **P↓** button.
- ▶ Programme numbers 'E1' and 'E2' are for recordings from other sources (through scart socket **EXT.1 AV 1** or **EXT.2 AV 2**).

## How to check or change a programmed recording (TIMER)

- 1 Switch on the TV set and select the programme number for the video recorder.
- 2 Press the **TIMER** button on the remote control. The programming mode selected last is marked.
- 3 Select the line 'TIMER LIST' with the **P↓** or **P↑** button and confirm with the **→** button.
- 4 Select the programmed recording (TIMER) you want to check or change with the **P↑** or **P↓** button.
- 5 Press the **→** button.
- 6 Select the entry field with the **←** or **→** button.
- 7 Change any information with the **P↓** or **P↑** button or with the **0-9** buttons.

- ▶ Under 'END', use the **SELECT** button to select the recording speed 'SP' or 'LP'.

- 8 Confirm with the **OK** button.
- 9 To end, press the **TIMER** button.
- 10 Make sure that the cassette you have put in can be recorded on. Switch off with the **STANDBY** button.
- ▶ The programmed recording will only function when the video recorder is **switched off** with the **STANDBY** button.

## How to clear a programmed recording (TIMER)

- 1 Switch on the TV set and select the programme number for the video recorder.
- 2 Press the **TIMER** button on the remote control. The programming mode selected last is marked.
- 3 Select the line 'TIMER LIST' with the **P↓** or **P↑** button and confirm with the **→** button.
- 4 Select the programmed recording (TIMER) you want to clear with the **P↓** or **P↑** button.
- 5 Press the **CLEAR (CL)** button.
- 6 Confirm with the **OK** button.
- 7 Switch off with the **TIMER** button.

## 'NexTVView Link'

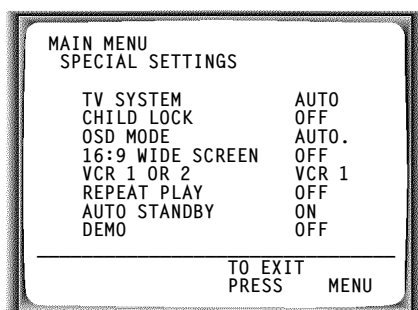
This video recorder is equipped with the function 'NexTVView Link'. If your television is also equipped with this function, you can mark TV programmes on the television for programming. These TV programmes will automatically be transmitted to a TIMER block on the video recorder. If you clear the marking of the TV programme on the television, the corresponding TIMER block on the video recorder will also be cleared. For more information, read the instruction manual of your TV set.

## 7. ADDITIONAL FUNCTIONS

### Changing the TV system

If you playback recordings made on other video recorders or if you record from an external source, the automatic TV system switch-over may not always work properly. You can switch off the 'automatic TV system switch-over' as follows.

- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Press the **[MENU]** button. The main menu appears.
- 3 Select the line 'SPECIAL SETTINGS' with the **[P↓]** or **[P↑]** button and confirm with the **[→]** button.



- 4 Select the line 'TV SYSTEM' with the **[P↓]** or **[P↑]** button.
- 5 Select the TV system or 'AUTO.' with the **[→]** or **[←]** button.
- 6 Confirm with the **[OK]** button.
- 7 To end, press the **[MENU]** button.

**i** If you select a different programme number, or eject the cassette, the video recorder switches back to 'AUTO.'.

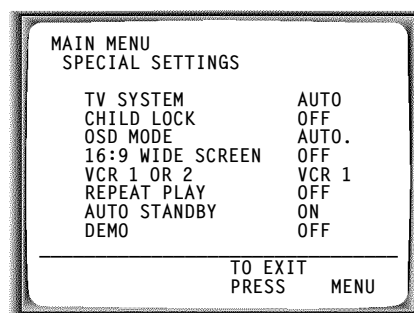
If colour interference occurs, you can switch to 'B/W' (black and white) in line 'TV SYSTEM'.

### Child lock

This function will prevent unauthorised use of your video recorder. All button-functions will be locked.

**i** You can make programmed recordings while the child lock is on.

- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Press the **[MENU]** button. The main menu appears.
- 3 Select the line 'SPECIAL SETTINGS' with the **[P↓]** or **[P↑]** button and confirm with the **[→]** button.



- 4 In the line 'CHILD LOCK' select 'ON' with the **[←]** or **[→]** button.
- 5 Confirm with the **[OK]** button.
- 6 To end, press the **[MENU]** button. 'σ' appears in the video recorder display. Keep the remote control in a safe place.

- 7 If you want to switch off the child lock, select 'OFF' in line 'CHILD LOCK'. 'σ' disappears from the video recorder display.

**i** If a button is pressed with activated child lock, 'σ' flashes in the display for a few seconds.

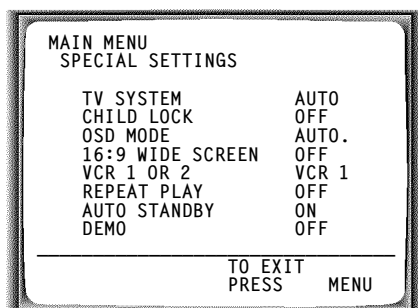
You may also activate the child lock with the remote control. Press the **[STANDBY ⏻]** button on the remote control for a few seconds, until 'σ' appears in the video recorder display. Switch the child lock off in the same way.



## Switching the 'on-screen display' (OSD) on or off

You can switch the on-screen display of the current operating information on or off.

- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Press the **MENU** button. The main menu appears.
- 3 Select the line 'SPECIAL SETTINGS' with the **P↓** or **P↑** button and confirm with the **→** button.



- 4 Select the line 'OSD MODE' with the **P↓** or **P↑** button.
  - 5 Select one of the options indicated with the **→** or **←** button.  
 'AUTO.': OSD information appears for a few seconds each time an operating mode is selected and then disappears.  
 'OFF': OSD information is switched off.  
 'ON': OSD information is switched on.
  - 6 Confirm with the **OK** button.
  - 7 To end, press the **MENU** button.
- i** With the **OK** button you can superimpose the on-screen display of current operating mode on the TV screen.

## Switching to 16:9 wide screen picture

If you are using a cassette with 16:9 wide screen recordings, you can switch this function 'ON'. The TV set will now automatically switch to wide screen. This only works if you have connected the TV set and the video recorder with a scart cable and if your TV set is suitable for wide screen.

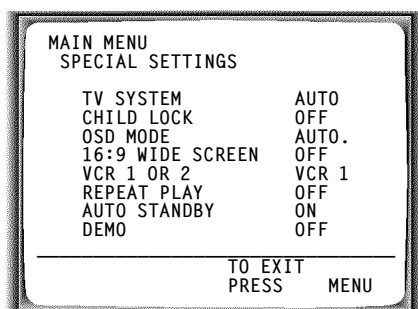
- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Press the **MENU** button. The main menu appears.
- 3 Select the line 'SPECIAL SETTINGS' with the **P↓** or **P↑** button and confirm with the **→** button.
- 4 If you have a TV set in wide-screen format, select 'ON' in line '16:9 WIDE SCREEN'. If not, select 'OFF'.
- 5 Confirm with the **OK** button.
- 6 To end, press the **MENU** button.



## Switching the remote control command

If you have two video recorders with the same remote control command, you can change the remote control command of the handset and the remote control command of one of the video recorders.

- 1 Switch on the TV set. If required, select the programme number for the video recorder.
- 2 Press the **MENU** button. The main menu appears.
- 3 Select the line 'SPECIAL SETTINGS' with the **P↓** or **P↑** button and confirm with the **→** button.

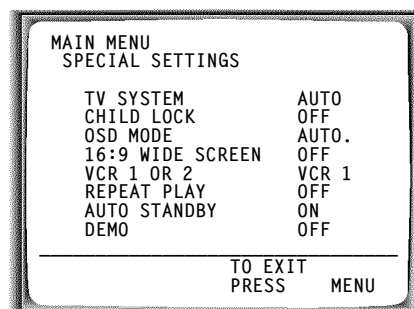


- 4 Select the line 'VCR 1 OR 2' with the **P↓** or **P↑** button.
- 5 Select 'VCR 1' or 'VCR 2' with the **←** or **→** button.
- 6 Confirm with the **OK** button.
- 7 On the remote control, press the **SELECT.** button and the digit button **2** **at the same time** to switch the remote control to 'VCR 2'.
  - i If you want to switch back to 'VCR 1', press the **SELECT.** button and the digit button **1** **at the same time**.
- 8 Confirm with the **OK** button.
  - i If the menu does not disappear, the video recorder didn't recognise the remote control command. Repeat step **7**.
  - i After you changed the batteries in the remote control, it will switch back to 'VCR 1'.
  - i If e.g.: 'VCR ONLY RESPONDS TO VCR 2 COMMANDS' appears on the TV screen or 'VCR 2' appears in the video recorder display after pressing a button for a few seconds, you must switch the remote control to 'VCR 2'.
- 9 To end, press the **MENU** button.

## Continuous playback

You can automatically play a cassette again and again. When the video recorder reaches the end of the tape or the end of the recording, it will rewind and start again.

- 1 Press the **MENU** button. The main menu appears.
- 2 Select the line 'SPECIAL SETTINGS' with the **P↓** or **P↑** button. Confirm with the **→** button.




- 3 Select the line 'REPEAT PLAY' with the **P↓** or **P↑** button.
- 4 Select 'ON' with the **←** or **→** button. If you select 'OFF', the function will be switched off.
- 5 Confirm with the **OK** button.
- 6 Press the **MENU** button.
- 7 Put a cassette in the machine.
- 8 Start the continuous playback with the **PLAY▶** button.

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## Automatic switch-off (tuner mode)

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If you do not use the video recorder for a few minutes in certain modes (e.g.: STOP), it will switch to standby automatically. You can cancel this function to use the video recorder as a television receiver (tuner).


- 1** Switch on the TV set and select the programme number for the video recorder.
- 2** Press the **MENU** button. The main menu appears.
- 3** Select the line 'SPECIAL SETTINGS' with the **P↓** or **P↑** button and confirm with the menu button **→**.
- 4** Select the line 'AUTO STANDBY' with the **P↓** or **P↑** button.
- 5** Select 'OFF' with the **←** or **→** button. If you select 'ON', the function will be switched on.
- 6** Confirm with the **OK** button.
- 7** To end, press the **MENU** button.  
 A **TIMER recording** only works when the video recorder is **switched to standby**.

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## The 'DEMO' function

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When the 'DEMO' function is switched on and the video recorder **switched off**, several menus will be demonstrated on the TV screen. This has no influence on operating the video recorder.

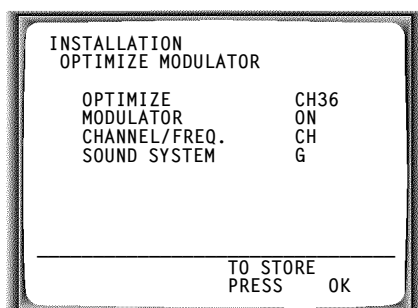
- 1** Switch on the TV set and select the programme number for the video recorder.
- 2** Press the **MENU** button. The main menu appears.
- 3** Select the line 'SPECIAL SETTINGS' with the **P↓** or **P↑** button and confirm with the **→** button.
- 4** In the line 'DEMO', select 'ON' with the **→** or **←** button. If you select 'OFF' the function will be switched off.
- 5** Confirm with the **OK** button.
- 6** To end, press the **MENU** button.  
 The 'DEMO' function is not possible during a 'TIMER recording' and during an 'Automatic recording from a satellite receiver'.












## Reducing picture disturbance ('optimizing the modulator')

You may experience picture disturbance if you have not used a scart cable to connect your video recorder and TV. This is because another TV station in your reception area may already be using UHF-channel CH36 or 591MHz.


- 1 Make sure that there is **no** cassette in the video recorder. On the video recorder, **simultaneously** hold the **EJECT**  and the **PROGRAMME**  button for a few seconds until e.g.: 'CH36' or '591' appears in the display. The video recorder transmits a test picture on UHF-channel 36 or frequency 591MHz.


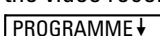






- 2 In line 'CHANNEL/FREQ.' select the indication for channel 'CH' or frequency 'FREQ.', using the  or  button.
- 3 Select the line 'OPTIMIZE' with the **P**  or **P**  button. Press the  button.
- 4 When the video recorder finds a 'free' TV channel, the channel or frequency will be indicated.  
 You can also enter the channel or frequency directly with the digit buttons **0-9**.
- 5 Tune in the TV set in this channel or frequency.
- 6 Confirm the channel or frequency indicated with the **OK** button.
- 7 To end, press the **MENU** button.  
 If the picture or sound quality is poor, you might have selected the wrong TV system. In the line 'SOUND SYSTEM' select the TV system you want e.g. 'G' for PAL BG or 'K' for SECAM DK, using the menu buttons  or .

## Switching off the modulator

If you cannot clear picture or sound interference, you can switch off the built-in modulator. You should only do this if you have connected the video recorder to the TV set with a scart cable. 'Connecting VCR without scart cable' is not possible when the modulator is switched off.

 With the function 'Easy Link/NexTView' the modulator will be switched off automatically.

- 1 Switch on the TV set and select the programme number for the video recorder.
- 2 Make sure that **no** cassette is in the video recorder. On the video recorder, press the **EJECT**  and **PROGRAMME**  button **at the same time** for several seconds, until, for example, 'CH36' or '591' appears on the video recorder display.
- 3 Select the line 'MODULATOR' on the TV screen or 'M ON' in the display with the **P**  or **P**  button.
- 4 With the  or  button, select the function 'OFF' on the TV screen or 'MOFF' (modulator off) in the display. Select 'ON' on the TV screen or 'M ON' (modulator on) in the display to switch the modulator back on.
- 5 Confirm with the **OK** button.
- 6 To end, press the **MENU** button.







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
## Using your video recorder remote control with your TV set


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Your video recorder remote control can transmit several commands to TV sets of different makes.

By using the **TV** buttons on the panel in the middle of the control, you can:

-  increase the TV volume
-  reduce the TV volume
-  switch off sound
-  switch off the TV set
-  next programme number
-  previous programme number


- 1** Hold the  button and enter the correct remote control command with the digit buttons . You will find a list of all available remote control commands on the last page of this manual.







 If the selected code does not work with your TV set, or if the make of your TV is not in the list, you can try out the codes one after the other.

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## Manual audio control

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With the  button you can switch to manual audio control.

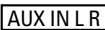

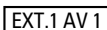
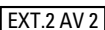
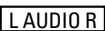
- 1** Press the  button on the video recorder. The current selection appears in the display.
- 2** Keep pressing the  button until 'MAN' (manual audio control) appears in the display.
- 3** With the  and  buttons on the video recorder adjust the recording level so that the '0 dB' mark lights up during the loudest parts of the recording.  
 At step **2** you can switch back to 'AUTO.' (automatic audio control) with the .



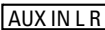










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## Recording audio only

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You can use your video recorder as a HiFi tape recorder. You can record the sound from e.g. a HiFi unit or a second video recorder.

- 1** Switch on the TV set and select the programme number for the video recorder.
- 2** Put a cassette in the machine.
- 3** Use a audio cable (cinch cable) to connect your HiFi (stereo) unit with the  socket at the back of the video recorder.  
 You can also use the  or  sockets or the front  sockets for audio-only recordings.





- 4** Select the programme number from which the 'only audio' recording should be made, using the  or  button (e.g.: 'AUX' for the  socket).
- 5** Press the  button. The main menu appears.
- 6** Select the line 'RECORDING FUNCTIONS' with the  or  button and confirm with the  button.
- 7** Select the line 'AUDIO ONLY' with the  or  button and confirm with the .
- 8** To start sound recording, press the  button.
- 9** To stop recording, press the  button.
- 10** To end, press the  button.

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## Selecting the sound track

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You can select the required sound track. This is of particular interest when the audio transmissions are multilingual.

- 1** Press the  button. The current setting will appear on the TV screen.
- 2** By pressing the  button several times you can select from the five possibilities displayed ('STEREO', 'RIGHT', 'LEFT', 'MONO', 'MIXED').  
 Dubbed sound recordings can be replayed with the 'MONO' or 'MIXED' setting.  
'MONO': Dubbed (linear) sound track.  
'MIXED': Original sound (hi-fi sound track) together with dubbed sound (linear sound track).  
 If the cassette does not have stereo sound recorded on it, the video recorder will automatically switch to mono.



## 8. Before you call an engineer

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If, contrary to expectation, you have any problems using this video recorder, it may be caused by one of the reasons mentioned below. You can also call the **customer service centre** in your country.

You will find the phone number in the enclosed guarantee leaflet.

### Your video recorder does not respond to any button being pressed:

- There is no power supply: check the power supply
- A programmed recording is currently being made: cancel the programmed recording with the **STANDBY** button.
- Child lock is on: switch the child lock off.
- There is a technical problem: switch off the mains power supply for 30 seconds, then switch it on again. If this does not have any effect, you can:
  1. Switch off the mains power supply again.
  2. Then switch it on **whilst holding down** the **STANDBY** button on the video recorder.
  3. Release the button when '---' appears on the video recorder display. All the information stored (TV channels, time and date, TIMER) will be cleared.

### Cassette is jammed in the video recorder:

- Don't use force. Pull out the mains plug for a moment.

### Remote control does not work:

- Remote control not pointed toward the video recorder: point it at the video recorder.
- Batteries have run out: change the batteries.
- You have given the wrong remote control command: read 'Switching remote control command' in chapter 'Additional functions'.

### No picture when you play a cassette:

- There is no recording on the cassette: change the cassette.
- You have chosen the wrong programme number on the TV for playing cassette: on the TV, select the correct programme number for the video recorder.
- The cable connecting the TV set and the video recorder has come loose: check the cable.

### Poor picture quality when you play a cassette:

- Your TV set is not properly adjusted.
- The cassette badly worn or of poor quality: use new cassette.
- Tracking is not properly adjusted or the video heads are dirty: turn to chapter 'PLAYBACK' and read the section 'Cleaning the video heads'.
- Read the section 'Selecting the picture setting (SMART PICTURE)', or 'Eliminating picture interference'.

### The video recorder will not record:

- The TV channel you want to record is not stored or you selected the wrong programme number: check TV channels stored.
- You have loaded a cassette which cannot be recorded on: undo the erase protection on the cassette.

### Programmed recording does not work:

- You have not set the TIMER properly: check the TIMER blocks.
- You have programmed the wrong time or date: check time and date.
- You have put in a cassette that cannot be recorded on: undo the erase protection on the cassette.
- After a 'programmed recording with 'SHOWVIEW', the programme number of the TIMER block will not agree with the required programme number: when you have confirmed the SHOWVIEW programming number, confirm the TIMER block by pressing the **TIMER** button. Then change the programme number displayed in the 'PROG.' entry field and confirm by pressing the **TIMER** button.

### There is picture or sound interference on TV reception:

- Turn to chapter 'ADDITIONAL FUNCTIONS' and read 'Poor TV reception - optimising the modulator' and 'Switching off the modulator'.
- Have your aerial checked.

## 9. GLOSSARY

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### Technical terms used

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**Current tape position** : The part of the tape currently being played.

**External source** : A device connected via a socket (for example, scart socket) which is transmitting audio/video signals to the video recorder.

**Index marking** : A marking which is automatically made on the tape at the beginning of every recording. This marking (recording ID) can be searched for with the Index search function.

**Scart cable** : Also known as a Euro-AV cable. This standard cable is an easy method of connecting various audio and video devices, computer screens and televisions. Other signals in addition to audio and video signals can be transmitted on it.

**TV system** : There are various systems for transmitting television signals, for example, PAL, SECAM, PAL BG, SECAM DK, SECAM L/L, NTSC etc. The system used by your television depends on which country you are in.

**TXT** : Also known as Teletext, Fasttext, Videotext, FLOF etc.

**OTR** : One touch recording. This function enables you to select the switch-off time in intervals of 30 minutes.

**Modulator** : An electronic component in a video recorder which allows audio and video signals to be transmitted via the aerial cable. Your television receives the signal in the same way as a signal from a television station.

**Modulator frequency** : This frequency or channel indicates the frequency or channel on which the audio or video signal is transmitted.

**UHF frequency range** : Channels 21 to 69. The video recorder 'broadcasts' on channel 36/frequency 591 MHz. This frequency or channel can be changed. See the section 'Reducing picture disturbance ('optimizing the modulator').

**OSD (On-screen display)** : The largest possible display area for the video recorder - the screen on your television set.



# Remote codes

|                |                            |              |                                    |                    |                        |
|----------------|----------------------------|--------------|------------------------------------|--------------------|------------------------|
| Acura          | 02                         | GoldStar     | 15, 20, 27                         | Proline            | 31                     |
| Adyson         | 20                         | Goodmans     | 07, 10, 20, 29, 36                 | Protech            | 02, 12, 20, 23, 25, 38 |
| Akai           | 18, 33                     | Gorenje      | 35                                 | Quelle             | 03, 04, 33             |
| Akura          | 21, 25                     | Graetz       | 33                                 | Questa             | 07                     |
| Alba           | 02, 07, 21                 | Granada      | 10, 18, 20                         | Rank Arena         | 07                     |
| Allorgan       | 28                         | Grandin      | 26                                 | Rediffusion        | 33                     |
| Amplivision    | 20                         | Grundig      | 17                                 | Rex                | 25                     |
| Amstrad        | 02                         | HCM          | 02, 26                             | Roadstar           | 02, 21, 25, 38         |
| Anitech        | 02                         | Hanseatic    | 30, 33                             | SEG                | 07, 20, 25             |
| Arcam          | 19, 20                     | Hinari       | 02, 07, 21                         | SEI                | 12, 28                 |
| Asuka          | 21                         | Hisawa       | 26, 40                             | Saba               | 15                     |
| Audiosonic     | 15                         | Hitachi      | 05, 07, 08, 13, 15, 20, 22         | Saisho             | 02, 04, 25             |
| BPL            | 26                         | HuanYu       | 19, 36                             | Salora             | 33                     |
| BSR            | 28                         | Hypson       | 25, 26                             | Sambers            | 12                     |
| BTC            | 21                         | ICE          | 20, 25                             | Samsung            | 01, 02, 20, 25, 27, 35 |
| Basic Line     | 02, 21                     | ICeS         | 21                                 | Sandra             | 19                     |
| Baur           | 03, 33                     | ITT          | 33                                 | Sanyo              | 04, 07, 10, 18         |
| Beko           | 35                         | Imperial     | 23, 35, 38                         | Schaub Lorenz      | 33                     |
| Binatone       | 20                         | Inno Hit     | 10                                 | Schneider          | 21, 23, 37             |
| Blaupunkt      | 17                         | Interfunk    | 23, 33                             | Sei-Sinudyne       | 03                     |
| Blue Sky       | 21                         | Intervision  | 12, 20, 25                         | Sentra             | 06                     |
| Blue Star      | 26                         | Isukai       | 21                                 | Sharp              | 07, 11                 |
| Bondstec       | 23                         | JVC          | 07, 09                             | Shorai             | 28                     |
| Boots          | 20                         | Kaisui       | 02, 19, 20, 21, 26                 | Siarem             | 12                     |
| Brandt         | 15                         | Kathrein     | 01                                 | Siemens            | 17                     |
| Britannia      | 19                         | Kingsley     | 19                                 | Silver             | 07                     |
| Bush           | 02, 07, 21, 26, 28, 36, 42 | Koyoda       | 02                                 | Sinudyne           | 12, 28                 |
| CGE            | 23                         | Leyco        | 10, 25, 28                         | Solavox            | 05                     |
| CS Electronics | 19                         | Lloytron     | 05                                 | Sonitron           | 18                     |
| CTC            | 23                         | Luxor        | 33                                 | Sonoko             | 02                     |
| Carrefour      | 07                         | M Electronic | 02, 13, 15, 20, 32, 36, 41         | Sonolor            | 18                     |
| Cascade        | 02                         | Magnadyne    | 12, 23                             | Sony               | 03, 04, 07             |
| Cimline        | 02                         | Magnafon     | 12                                 | Soundwave          | 38                     |
| Clatronic      | 23, 35                     | Manesth      | 20, 25, 30                         | Standard           | 02, 20, 21             |
| Condor         | 30, 35                     | Marantz      | 01                                 | Sunkai             | 28, 31                 |
| Contec         | 02, 07, 19                 | Matsui       | 02, 04, 06, 07, 10, 18, 20, 28, 39 | Susumu             | 21                     |
| Crown          | 02, 35, 38                 | Memorex      | 02                                 | Tandy              | 10, 20, 21             |
| Cybertron      | 21                         | Metz         | 34                                 | Tashiko            | 07, 20                 |
| Daewoo         | 02, 36                     | Mitsubishi   | 07, 14, 16                         | Tatung             | 10, 20                 |
| Dainichi       | 21                         | Mivar        | 19, 27                             | Tec                | 20, 23                 |
| Dayton         | 02                         | Multitech    | 02, 12, 19                         | Technema           | 30                     |
| De Graaf       | 18                         | Neckermann   | 01                                 | Technics           | 24                     |
| Decca          | 10                         | Nikkai       | 05, 06, 10, 19, 21, 25             | Telefunken         | 15                     |
| Dixi           | 02                         | Nobliko      | 12                                 | Telemeister        | 30                     |
| Dual           | 42                         | Nokia        | 33, 41                             | Teletech           | 02                     |
| Dual Tec       | 20                         | Nordmende    | 15                                 | Teleton            | 20                     |
| Elite          | 21, 30                     | Oceanic      | 33                                 | Tensai             | 21, 28, 29, 30         |
| Elta           | 02                         | Orion        | 28, 30, 31                         | Textet             | 19, 21                 |
| Emerson        | 33                         | Osaki        | 05, 10, 20, 21, 25                 | Thomson            | 15                     |
| Ferguson       | 15                         | Oso          | 21                                 | Thorn              | 06, 10, 33             |
| Fidelity       | 19, 33                     | Osume        | 05, 10                             | Tomashi            | 26                     |
| Finlandia      | 18, 32                     | Otake        | 29                                 | Toshiba            | 06, 07                 |
| Finlux         | 10, 13, 32                 | Otto Versand | 01, 03, 07, 20, 30                 | Uher               | 30                     |
| Firstline      | 02, 19, 20, 23, 28, 31     | Palladium    | 35, 38                             | Ultravox           | 12                     |
| Fisher         | 18, 20, 35                 | Panama       | 20, 25                             | Universum          | 13, 25, 32, 35         |
| Flint          | 40                         | Panasonic    | 24, 34                             | Videosat           | 23                     |
| Formenti       | 30                         | Pathe Cinema | 19, 30                             | Videotechnic       | 20                     |
| Frontech       | 23, 25                     | Pausa        | 02                                 | Visa               | 02                     |
| Fujitsu        | 10                         | Perdio       | 30                                 | Vision             | 30                     |
| Funai          | 25, 28                     | Phase        | 05                                 | Waltham            | 20                     |
| GEC            | 10, 20                     | Philco       | 23                                 | Watson             | 30                     |
| GPM            | 21                         | Philips      | 01, 36                             | Watt Radio         | 12                     |
| Geloso         | 02                         | Pioneer      | 15                                 | Wega               | 07                     |
| Genexxa        | 21                         | Profex       | 02, 33                             | White Westinghouse | 19, 30                 |
|                |                            |              |                                    | Yoko               | 20, 25                 |